

**Guru Tegh Bahadur Institute of Technology**

**Wireless communication**

**ETEC-405**

**Semester-7<sup>th</sup>**

**Branches-ECE/CSE/IT**

**Assignment-1**

Q-1 Why do paging system need to provide low data rates? How does a low data rate lead to better coverage?

Q-2 Between a pager, a cellular phone and cordless phone, which device will have the shortest battery life between charging? Why?

Q-3 Discuss power control methods to minimize the battery drain during transmission in case of CDMA digital cellular standard?

Q-4 What are the frequency range and application of S,C and W bands?

Q-5 What is the frequency band used in cellular communications?

**Assignment-2**

Q-1 What is meant by handover technique?

Q-2 What is CDMA digital cellular standard (IS 95)?

Q-3 How does a low data rate lead to better coverage?

Q-4 What are the different types of Hand over?

Q-5 What is Cell Sectoring and why it is used?

**Assignment-3**

Q-1 What is supplementary services in GSM?

Q-2 What is the difference between GSM and CDMA?

Q-3 What is the maximum data rate supported by a GSM system?

Q-4 What is OSS in GSM?

Q-5 What is the frequency Hopping In GSM?

**Assignment-4**

Q-1 What is FER?

Q-2 What are the various types of Broadcast channels?

Q-3 What is the function of FCCH?

Q-4 What is the function of PCH?

Q-5 What is the function of RACH?